

REMARKS

The final Office Action mailed July 27, 2005, has been reviewed and carefully considered. Claims 1, 12, 16, 28, 29 and 44 have been amended. Claims 1-10, 12-23 and 35-44 are pending.

In paragraph 2 on page 2 of the Office Action, claims 12-13 were objected to as being dependent upon a canceled claim.

Applicants have amended claim 12 to correct its dependency. Applicants respectfully submit that the amendment to claim 12 does not narrow the scope of claim 12.

In paragraph 4 on page 2 of the Office Action, claims 1, 16, 28, 29 and 44 were rejected under § 112, second paragraph because the phrase "for each sequence selection stage" lacked antecedent basis.

In paragraph 5 on page 3 of the Office Action, claims 1, 16, 28, 29 and 44 were indicated as being allowable if rewritten or amended to overcome the rejections under § 112, second paragraph. In paragraph 6 on page 3 of the Office Action, claims 2-10, 12-15, 17-23, 25-27 and 30-43 were indicated as being allowable if rewritten or amended to overcome the rejections under § 112, second paragraph.

Applicants respectfully traverse the rejection, but in the interest of expediting prosecution have amended the claims as suggested.

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Reply to Office Action of July 27, 2005

On the basis of the above amendments and remarks, it is respectfully submitted that the claims are in immediate condition for allowance. Accordingly, reconsideration of this application and its allowance are requested.

If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Attorney for Applicant, David W. Lynch, at 423-757-0264.

Respectfully submitted,

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